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INTERNATIONAL SEARCH REPORT

Internat **Application No** T/TB 02/04630 A. CLASSIFICATION OF SUBJECT FOR THE TOTAL TOTAL PROPERTY OF THE T According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01C G01S Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2002/056202 A1 (TAMURA YASUHIRO) 1-11 16 May 2002 (2002-05-16) 15-25 part 0008,0012 12-14 figure 9 Х US 2002/100178 A1 (MORTON BLAISE GRAYSON 1-11. ET AL) 1 August 2002 (2002-08-01) 15-25 part 0027, 0028 X PATENT ABSTRACTS OF JAPAN 1-25 vol. 2002, no. 10, 10 October 2002 (2002-10-10) & JP 2002 168629 A (TOKIN CORP), 14 June 2002 (2002-06-14) abstract; figure 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 28 May 2003 Name and mailing address of the ISA Authorized officer

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PCT/IB 02/04630

Category	ation) DOCUMENTS IDERED TO BE RELEVANT	
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	WO 02 09396 A (TIVERON EGIDIO) 31 January 2002 (2002-01-31) page 10, line 21 - line 27	12-14
A	US 6 363 250 B1 (LINDELL BO) 26 March 2002 (2002-03-26) column 4, line 35-55; figure 4	12-14
A	US 4 729 172 A (ALBERTER GUENTHER ET AL) 8 March 1988 (1988-03-08) column 2, line 54 - line 65 column 6, line 9 - line 21	1-25
	US 6 111 525 A (BERLIOZ RAYMOND JACQUES GERARD ET AL) 29 August 2000 (2000-08-29) column 3, line 63 - line 67; figure 2	4
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CT/ISA/210 /~	ontinuation of second sheet) (July 1992)	•

INTERNATIONAL SEARCH REPORT

"lon on patent family members

Application No PCT) TB 02/04630 Patent document Publication Patent family Publication ' cited in search report date member(s) date US 2002056202 A1 16-05-2002 CN 1349109 A 15-05-2002 JP 2002196055 A 10-07-2002 US 2002100178 A1 01-08-2002 ΑU 1792102 A 18-06-2002 WO 0246693 A2 13-06-2002 JP 2002168629 Α 14-06-2002 NONE WO 0209396 Α 31-01-2002 TV20000082 A1 IT 21-01-2002 ΑU 7666801 A 05-02-2002 WO 0209396 A2 31-01-2002 US 6363250 **B1** 26-03-2002 SE 513291 C2 21-08-2000 DE 19959675 A1 21-06-2000 SE 9804429 A 19-06-2000 US 4729172 Α 08-03-1988 DE 3422491 A1 19-12-1985 **AT** 40746 T 15-02-1989 DE 3568219 D1 16-03-1989 WO 8600128 A1 03-01-1986 ΕP 0186666 A1 09-07-1986 JP 61502413 T 23-10-1986 US 6111525 Α 29-08-2000 FR 2774760 A1 13-08-1999

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